Tackling the Future of Plant Operation – How to integrate online data-analytics, process control, and PAT for optimal plant operation

Venue: DECHEMA, Frankfurt am Main, Germany; Date: 25 January 2017, 10:00 – 18:00

Programme of the Workshop

10:00  Welcome address
      Prof. Dr. Kurt Wagemann, Executive Director, DECHEMA e. V.

10:05  Overview on the workshop – organizational details, Moderator: Keith Simons

10:10  Key note
      “Towards Sustainable Process Industries: The Role of Control and Optimization”
      Klaus Sommer, Bayer AG, Germany – President of A.SPIRE,

10:50  Overview on the CONSENS and ProPAT projects
      Manuel Pereira Remelhe, Bayer AG, Germany – Coordinator CONSENS
      Pau Puigdollers, IRIS, Spain – Coordinator ProPAT

11:15  Integrated automation and monitoring in industrial case studies

      Case study 1:  “Continuous intensified synthesis of organic compounds in a modular plant –
                     online reactor monitoring and closed-loop control”
                     Manuel Pereira Remelhe, Bayer AG, Germany

      Case study 2:  “Continuous on-line process control of polyester resins manufacturing”
                     Poppy Krassa, Megara Resins, Greece

11:45  Coffee break

12:15  Case study 3:  “Continuous formulation of complex fluids – closed-loop rheology control”
      Francesc Corominas, Procter & Gamble, Belgium

      Case study 4:  “Mineral and metallic powders milling process control with ProPAT technologies”
                     Theofilos Zampetakis, Grecian Magnesite, Greece

12:45  Lunch break & registration for 2 parallel workshop sessions in the afternoon

(Posters of parallel sessions & novel sensor prototypes are displayed during lunch for peeking in advance and registration.)
13:45 **Parallel workshop sessions**

There will be guided discussions on various topics starting with poster presentations on novel technologies. This will be offered twice (13:45-15:00 and 15:05-16:20). You can choose one topic for each session. Registration for these sessions will be during lunch break.

Currently planned topics that will be offered in both rounds:
- Data and tool integration
- Process and asset monitoring
- Process modeling and simulation
- Process control
- Chemical composition sensors
- Rheology, fouling and particle size sensors

16:20 **Coffee break**

16:45 Wrap-up of parallel workshop sessions (Moderator: Keith Simons)

17:15 Plenary session (Moderator: Keith Simons)

18:00 **Get together with catering**

22:00 **End of get together**